-13-

## ABSTRACT REGISTRATION OF MULTI-MODALITY DATA IN IMAGING

A method of registration of a functional emission image to another image, e.g. a structural/anatomical image, is disclosed in which the emission image is first processed to mask out regions of the background and lungs identified in a corresponding transmission image. Only areas which are not masked out in the emission image are matched to areas in the x-ray image. The x-ray image and masked emission image may then be displayed in superposition.